

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2005/000140

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 H04L 12/24**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04L, H04Q, H04M, G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for Inventions since 1975  
Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 2003-21536 (SAMSUNG Co Ltd) 15 MAR 2003 see the whole documents	1
Y	US 6,483,563 B1 (NEC Corp.) 20 AUG 2002 see the whole documents	1
A	WO 02/77830 (MITSUBISHI) 1 JUL 2004 see the whole documents	1
A	US 6577643 (Lucent Technology) 10 JUN 2003 see the whole documents	1
A	US 6404861 (e-Cell Technology) 11 JUN 2002 see the whole documents	1

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

25 FEBRUARY 2005 (25.02.2005)

Date of mailing of the international search report

25 FEBRUARY 2005 (25.02.2005)

Name and mailing address of the ISA/KR



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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2005/000140

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2003-21536	15 MAR 2003	NONE	
US 6,483,563 B1	20 AUG 2002	JP 12-163344	16 JUN 2000
		CN 1257365 A	21 JUN 2000
WO 02/77830	1 JUL 2004	US 2004-128114 A1	1 JUL 2004
		JP 14290403	4 OCT 2002
		EP 1372078 A1	17 DEC 2003
US 6577643	10 JUN 2003	US 6512754 B1	28 JAN 2003
		US 6377982 B1	23 APR 2002
		US 2002-89958 A1	11 JUL 2002
		JP 11289353	19 OCT 1999
		EP 0918417 A2	19 MAY 1999
US 6404861	11 JUN 2002	WO 200131969 A1	03 MAY 2001
		US 6,477595 B1	05 NOV 2002
		TW 516332 B	01 JAN 2003

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 14 MAR 2005

WIPO PCT

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

YOON, Jee Hong

Hannuri Bldg. 219 Naeja-dong, Chongno-gu, Seoul 110-053  
Republic of Korea

Date of mailing  
(day/month/year) 25 FEBRUARY 2005 (25.02.2005)

Applicant's or agent's file reference

FE251552

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2005/000140

International filing date (day/month/year)

14 JANUARY 2005 (14.01.2005)

Priority date(day/month/year)

15 JANUARY 2004 (15.01.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC7 H04L 12/24

Applicant

UTStarcom Korea Limited et al

## 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

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SHIN, Sung Kil

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/000140

**Box No. I Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
  
☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1	YES
	Claims	NONE	NO
Inventive step (IS)	Claims	NONE	YES
	Claims	1	NO
Industrial applicability (IA)	Claims	1	YES
	Claims	NONE	NO

**2. Citations and explanations :**

Reference is made to the following documents:

D1 : KR 2003-21536 A

D2 : US 6438563 B1.

**1. Novelty and Inventive Step**

D1 discloses A method for synchronizing management information in a network communication system is provided to synchronize management information between an NMS(Network Management System) and a network equipment by instantly updating management information changed in the network equipment in the NMS.

D2 also relates to A method and device for synchronizing databases in a network management system.

From D1 and D2 We can derive the Idea of synchronizing method using trap which falls within the scope of present claim 1.

Therefore, The present application does not satisfy the criteria set forth in Article 33(2) and (3) PCT.

**2. Industrial Applicability**

Claim 1 meet the criteria set out in PCT Article 33(4).